Dr. R. SAMBASIVAM,M.Sc., M.Phil., M.C.A., Ph.D.,

ASSOCIATE PROFESSOR& HEAD
PG & Research Department of Physics
Urumu Dhanalakshmi College
Tiruchirappalli – 620 019

BIODATA

PERSONAL NICETIES

Name	:	**R. SAMBASIVAM**
Father's Name	:	S.Raghavan
Gender	:	Male
Date of Birth	:	18-10-1963
Age	:	55
Date of Appointment	:	03-11-1988
Teaching Experience (as on 01-01-2020)	:	***31 years***
Designation	:	Associate Professor& Head
Department	:	Physics
Nationality	:	Indian
Religion	:	Hindu
Caste	:	Brahmin
Category	:	OC
Residential Address	:	50/32, Nadu Agraharam, West Chinthamani, Trichy - 620002.
Email	:	sambasivam63@gmail.com
Contact Numbers	:	94434-10088 (M), 0431 – 2531966 (O), 0431 - 2706749 (R)

I. EDUCATIONAL QUALIFICATION

Degree/ P.G.Diploma	Institution (Affiliation)	Major	Percentage / Grade	Month & Year of completion
M.Sc.,	St.Joseph's College (Auto)(Bharathidasan University)	Physics	Grade 'O'	May 1986
M.Phil.,	St.Joseph's College (Auto)(Bharathidasan University)	Physics	71	Feb 1988
M.C.A.,	Madurai Kamaraj University	Computer Applications	71	April 2002
Ph.D.,	Urumu Dhanalakshmi College (Bharathidasan University)	Physics	Highly Commended	March 2013
PGDCA	St.Joseph's College (Auto)(Bharathidasan University)	-	69	April 1990
PGDMCH	St.Joseph's College (Auto) (Bharathidasan University)	-	72	April 1994

(PGDCA :Post Graduate Diploma in Computer Applications)
(PGDMCH :Post Graduate Diploma in Microprocessor and Computer Hardware)

II. TEACHING AND RESEARCH EXPERIENCE

- ✓ **U.G/P.G. (Physics)** - From 03.11.1988 to 01.01.2020 -31 years
- ✓ **U.G./P.G (Computer Science/Applications)** - From 1990 to 2010 - 20 years
- ✓ **M.Phil (Physics)** - From 01.06.2008 to 01.01.2020-11 years &7 months

- ✓ **Ph.D (Physics)** - From 11.05.2018 to 01.01.2020–1 year & 7 months

III. ADMINISTRATIVE EXPERIENCE IN U.D.COLLEGE

- ✓ **Chief Superintendent** of University Examinations from April2018 onwards -1 year& 9 months
- ✓ **Member – Admission Committee** – from April 2018 onwards – 1 year
- ✓ **Coordinator – NAAC** – from September 2018 onwards – 1 year
- ✓ **Coordinator – IQAC** (Internal Quality Assurance Cell)- from 2007 to 2014- 7 years
- ✓ **Incharge**of UG Dept. of Computer Science from 1998 to 2007 – 10 years
- ✓ **Member – Departmental Research Committee (DRC)** of Physics Department from 2016 onwards – 3 years
- ✓ **Research Advisor** from 2007 onwards – 12 years
- ✓ **Coordinator**- Students' Exnora – from 2002 to 2014 - 12 years
- ✓ Coordinator- University Students Service Corps – 2007 - 1 year
- ✓ **Coordinator**-Earn While Learn Scheme – from 2006 to 2012 -6 years
- ✓ **Placement Officer**- Career Guidance and Placement Cell – from2007 to 2014 - 7 years
- ✓ **Member** - Editorial Board of College Newsletter – from 2007 to 2014 - 6 years

- ✓ **Unit Secretary** - UDC Teaching Staff Association – from 2012 to 2013 - 1 year

IV. ACADEMIC ACTIVITIES AS RESOURCE PERSON TO CONDUCT PERSONALCONTACT PROGRAMME (PCP) OFFERED BY CDE, BHARATHIDASAN UNIVERSITY

Programme	Course	Reference Number	Centre
M.C.A,	Digital Computer Fundamentals (I Semester; 1996)	CDE/MCA/RP/D/1996 dated 09.09.1996	Trichy
M.C.A,	Operating Systems (II Semester; 1996)	CDE/MCA/RP/D/1996/II dated 16.12.1996	Cochin, Kerala
M.C.A,	Operating Systems (II Semester; 1996)	CDE/MCA/RP/D/1996 dated 26.12.1996	Trichy
M.C.A,	Management Information Systems (V Semester 1997)	CDE/MCA/RP/D/1997 dated 23.06.1997	Trichy
M.C.A,	Operating Systems (II Semester; 1999)	CDE/MCA/RP/ Bangalore/1998-99 dated 29.11.1999	Bangalore, Karnataka
M.C.A,	Operating Systems (II Semester; 2001)	CDE/MCA/D/RP/ dated 09.01.2001	Trichy
M.C.A,	Computer Networks (III Semester; 2001)	CDE/MCA/D/RP/ dated 10.07.2001	Cochin, Kerala
M.Sc. (Software Technology)	Computer Communications and Networks (I Semester; 2001)	CDE/MSST/RP/H/ dated 29.10.2001	Trichy
M.Phil. (Physics)	Advanced Physics (I Semester; 2003)	CDE/MPhil/H/RP dated 13.11.2003	Karur

ACADEMIC ACTIVITIES AS RESOURCE PERSON TO CONDUCT PERSONALCONTACT PROGRAMME (PCP) OFFERED BY CDE, PERIYAR UNIVERSITY

Programme	Course	Centre
B.C.A,	Electronic devices & circuits and Computer	Trichy

	Fundamentals (I Semester; 2003)	
M.C.A,	C & Data Structures (I Semester; 2003)	Trichy
PGDCA.,	subjects IT & Management and Programming in C/C++ (I Semester; 2003)	Trichy

INVITED TALKS AS GUEST LECTURER

DATE	**COLLEGE**	**TOPIC**
02.03.2012	Periyar EVR College (Auto), Trichy	Particle accelerators and their applications
20.07.2012	Shrimathi Indira Gandhi College Trichy	Accelerators and God's Particle
01.12.2012	Oxford Engineering College, Trichy	Particle accelerators in different perspectives
21.02.2014	Oxford Engineering College, Trichy	New Engineering Materials
15.02.2016	Government Arts College, Ariyalur	Mission to Mars
25.02.2016	Jamal Mohammed College(Auto), Trichy	Mission to Mars
04.03.2016	Nehru Memorial College (Auto), Puthanampatti	Mission to Mars
21.12.2017	Jamal Mohammed College(Auto), Trichy	Nobel Prize in Physics – 2017
05.03.2018	Seethalakshmi Ramasamy College(Auto), Trichy	Nobel Prize in Physics – 2017
05.09.2019	Srimad Andavar Arts College (Auto), Trichy	Landing beyond Earth

ACADEMIC ACTIVITIES OTHER THAN RESOURCE PERSON

- ✓ Attended a 12-week Certificate Course in Business Application Software Integration from September'97 to December'97 conducted by Complete Business Solutions (India) Limited (CBSI).

- ✓ Participated as Judge in the District level Science Exhibition by Schools in Trichy District on 02.12.2004 (Ref. No: Na.Ka.No.8453/A1/2004 dated 24/11/2004).

- ✓ Participated as Judge for events of 'State level Technical Symposium of Emerging Trends in Computing' organized by Shrimathi Indira Gandhi

College in association with Tamil Nadu State Council for Science & Technology, Chennai and National Council for Science and Technology and Communications, New Delhi on 30.08.2005.

- ✓ Participated in the One Day Orientation Training Programme on Part-IV Extension and Co-curricular activities (EXNORA) to Teachers organized by Centre for Adult, Continuing Education and Extension, Bharathidasan University and Trichy District Exnora held on 05.10.2005.

- ✓ Participated in the State Level Workshop on Career Guidance and Aptitude Coaching held on 4th and 5th March 2008 by Bharathidasan University.

- ✓ Participated in the Child, Women protection & issues – 'Trainers of Trainer' Workshop organized by Social Welfare Department of Government of Tamil Nadu on 29.06.2012 in Trichy.

- ✓ As Examiner participated in the Central valuation and conducted Practical Exams for Allied Health Science Courses of Tamil Nadu Dr.M.G.R.Medical University.

- ✓ **Research Advisor** to guide M.Phil Research Scholars of Periyar University.
  (Ref: PRIDE/PU/Guide Approval/MPH 2497/2007)

- ✓ **Research Advisor** to guide M.Phil Research Scholars of Bharathidasan University (Ref.No: 003329/RA/MPhil/Physics/2007 dated 09.02.2007).

- ✓ **Research Advisor** to guide Ph.D. Research Scholars of Bharathidasan University. (Ref.No: 37574/PhD.K2/Physics/RA/ dated 11.11.2014).

- ✓ **Doctoral Committee Member** for 10 Research Scholars of Bharathidasan University.

- ✓ **Compere**for Sports Day of our College for more than 10 years.

- ✓ Appointed as Additional Chief Superintendent for the conduct of Bharathidasan University Examinations for April 2006 session at R.V.S. College of Arts and Science, Sulur, Coimbatore, from 29.05.2006 to 03.06.2006.

- ✓ Participated in the Question Paper passing Board Meeting for B.Sc. (Computer Science) (CDE) of Bharathiar University on 09.11.2004.
  (Ref.No:COE/QPS/BSc/CDE/2004 dated 08.11.2004).

ACADEMIC ACTIVITIES AS LESSON WRITER

- ✓ Appointed as **Lesson Writer** for M.Sc. Computer Science Degree Course for the Paper: Data & Computer Communication for CDE students of Bharathidasan University.
  (Ref.No: CDE/MSc(CS)/LW/2004 dated 03.11.2004).

- ✓ Appointed as **Lesson Writer** for M.Sc. Software Technology Degree Course for the Paper: Computer Communication Networks for CDE students of Bharathidasan University in 2001.
  (Ref. Letter dated 30.10.2001).

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V. ORIENTATION / REFRESHER COURSES

- ✓ Participated in the four week UGC sponsored Orientation Course organized by the Academic Staff College, Bharathidasan University, Trichy from 18.10.1989 to 15.11.1989 (29 days).

- ✓ Participated in the UGC sponsored Refresher Course organized by Mahatma Gandhi University, Kerala, from 03.03.1999 to 26.03.1999 (24 days).

- ✓ Participated in the UGC sponsored Refresher Course organized by the Academic Staff College, Pondicherry University, Pondicherry, from 11.12.2001 to 31.12.2001 (21 days).

- ✓ Participated in the Refresher Course for College Teachers in Physics conducted by the Institute of Mathematical Sciences (An aided Institute of Department of Atomic Energy, Government of India, Chennai) from 25.05.2001 to 14.06.2001 (21 days).

- ✓ Participated in the First Institute of Advanced Studies Winter School (Refresher Course) on Particle Physics and Cosmology and Implications for Technology supported by CERN and organized by Nanyang Technological University, SINGAPORE from 09.01.2012 to 31.01.2012 (23 days).

VI. MEMBER OFBOARD OF STUDIES(BOS)

- ✓ Computer Science (PG) / Computer Applications (PG) / PG Diploma in Computer Applications / Software Technology (PG) / Cyber Technology (PG) courses of Bharathidasan University, for a period of 3 years from 01.10.2005 to 31.09.2008.
  (Ref. No: 28280/CCCD-BOS/2005 dated 15.11.2005)

- ✓ Physics (UG) course of Bharathidasan University for a period of 3 years from 01.04.2012 to 31.03.2015.
  (Ref. No: 43488/C1/CCCD-BOS/2011 dated 24.08.2012)

- ✓ B.Sc.,/M.Sc., (Physics), St.Joseph's College (Autonomous), Trichy in 2006.

- ✓ B.Sc.,/M.Sc., (Physics), Srimad Andavan Arts and Science College (Autonomous), Trichy for a period of 3 years with effect from 23.04.2018 (Ref.No. SAC-BOS/Phy/2018/005 dated 29-06-2018).

VII. RESEARCH GUIDANCE(M.Phil. DISSERTATION)

Refer to Annexure I

VIII. RESEARCH GUIDANCE(P.G. DISSERTATION)

Refer to Annexure II

IX. RESEARCH GUIDANCE(Ph.D.)

No.	Research Scholar	Reference Number
1.	M.Antony Lilly Grace	26203/Ph.D.1/Physics/P.T/Re-Registration/ dated 11-05-2018
2.	R.Sudarshana	04608/Ph.D-K3/Physics/Prov.Reg./P.T/ dated 11-03-2019

X. PAPER PUBLICATION IN PEER REVIEWED/UGC LISTED JOURNALS

Refer to Annexure III

XI. PAPER PUBLICATION IN PROCEEDINGS

Refer to Annexure IV

XII. PAPER PRESENATATION(ORAL/POSTER) IN INDIA& ABROAD

Refer to Annexure V

XIII. PARTICIPATION IN INTERNATIONALCONFERENCES / WINTER SCHOOL HELD ATNANYANG TECHNOLOGICAL UNIVERISTY, SINGAPORE

Participation in Winter School

- ✓ Participated in the "1st IAS-CERN School on Particle Physics and Cosmology and Implications for Technology" held at Nanyang Technological University (NTU), SINGAPORE supported by CERN from 09.01.2012 to 31.01.2012 (23 days).

Participation in International Conference

- ✓ Participated in the "International Conference on massive neutrinos" held at Nanyang Technological University (NTU), SINGAPOREfrom 09.02.2015 to 13.02.2015 (5 days).

Participation in Memorial Meeting

- ✓ Participated inthe "Memorial Meeting for Nobel Laureate Prof. Abdus Salam's 90th Birthday"held at Nanyang Technological University (NTU), SINGAPOREfrom 25.01.2016 to 28.01.2016 (4 days).

Date : 01-01-2020
Place: Trichy **-R.SAMBASIVAM-**

ANNEXURE – I

Research Guidance (M.Phil. Dissertations)					
No.	**Reg.No.**	**Name**	**Year**	**University**	**Title**
1.	06DCCP1463	P.K.Kannan	2007	Periyar	Structure function ratio of Iron to Deuterium as a function of Bjorken variable using TDB model
2.	06DCCP1465	R.Gunasekaran	2007	Periyar	EMC effect using Nachtmann variable
3.	06CD30989	S.Padma	2007	Bharathidasan	The nuclear EMC effect using Thermodynamical Bag Model
4.	06CD30242	C.Amutha	2007	Bharathidasan	Realization of physiological sensing, recovery and alertness through embedded and mobile technologies
5.	06CD31049	C.Swaminathan	2007	Bharathidasan	The Structure function ratio of Iron to Deuterium as a function of Nachtmann variable using Thermodynamical Bag Model
6.	2K11FT37275	G.Arjunan	2012	Bharathidasan	Proton structure function measurement by Nachtmann variable
7.	2K11FT37282	P.Ramesh	2012	Bharathidasan	Evaluation of neutron structure function in a statistical model
8.	A7A6222128	J.Jerlin Amburose	2013	Madurai Kamaraj	Thermodynamical Bag Model study on proton structure function
9.	2K11PT38299	A.Leo	2013	Bharathidasan	Valence quark distribution in a nucleon
10.	2K12FT38939	K.S.Sathiya	2013	Bharathidasan	Momentum distribution of quarks in Beryllium in TDB model
11.	2K12FT38930	R.Chidambaram	2013	Bharathidasan	Asymmetry of Proton and Neutron
12.	2K12PT39980	S.Amutha	2014	Bharathidasan	Valence quark decomposition
13.	2K13FT40563	R.Geetha	2014	Bharathidasan	Evaluation of Bjorken sum rule by TBModel
14.	2k13FT40567	S.Loganathan	2014	Bharathidasan	Momentum distribution of polarized antiquarks

15.	2K13PT41713	K.Veeraselvi	2015	Bharathidasan	Bjorken Sum Rule
16.	2K13PT41708	T.Senthilkumaran	2015	Bharathidasan	Momentum distribution of polarized antiquarks evaluation and comparison to HERMES data
17.	2K14FT41320	Na.Thilagavathi	2015	Bharathidasan	Isospin non-singlet combination
18.	2K14FT41321	M.Yogeswari	2015	Bharathidasan	Statistical correlation coefficients between quark polarizations
19.	2K14PT42519	P.Ananthan	2016	Bharathidasan	Measurements of Cross section ratio of Gold
20.	2K14PT42520	P.Antony Maria Francis	2016	Bharathidasan	Structure function ratio measurements of Silver
21.	MPPY15906	A.Birundha	2016	Madurai Kamaraj	Statistical Model Evaluation of Nucleon Momentum Distribution
22.	2K15FT43218	A.Selvi	2016	Bharathidasan	Polarization of up quark In Beryllium
23.	2K15FT21532	Rebekahl Mary	2016	Bharathidasan	Spin distribution of down quark in Iron
24.	06DCCP1461	M.Murali	2016	Periyar	Evaluation of double spin asymmetry of proton and comparison to COMPASS data
25.	2K15PT44676	G.Akilanayaki	2017	Bharathidasan	Intrinsic momentum distribution of quarks in Lithium
26.	2K15PT44680	S.Chitra	2017	Bharathidasan	Isoscalar EMC ratio for Carbon
27.	2K15PT44683	S.Jamson	2017	Bharathidasan	Cross section ratio as a function of nuclear density
28.	2K15PT44695	S.Selvarani	2017	Bharathidasan	EMC effect in Helium nucleus
29.	2K16FT65040	R.Abiramasundari	2017	Bharathidasan	Partons
30.	2K16PT17814	M.Anbalagan	2018	Bharathidasan	A study on polarization of up and down quarks
31.	2K16PT17821	M.Muthalagu	2018	Bharathidasan	Up quark decomposition
32.	2K16PT17832	P.Shanthi	2018	Bharathidasan	Polarized and unpolarized structure function ratios of Lithium to Deuterium
33.	2K16PT17833	A.Sumathi	2018	Bharathidasan	Inclusive proton asymmetry
34.	2K17FT18481	M.Rajesh	2018	Bharathidasan	Determination of virtual photon absorption asymmetry

ANNEXURE – II

Research Guidance (P.G. Dissertations) M.Sc. Applied Physics / M.Sc. Physics			
No.	**Reg.No.**	**Name**	**Title**
1.	P825180	K.Kanagaraj	Capital equipment replacement using COBOL
2.	P825181	K,Kesavan	Automatic traffic lights model
3.	P925228	P.Rameshkumar	Digital capacitance meter
4.	P925234	S.Virudagiri	Production and materials management software
5.	P025307	R.Balaji	Construction and study of the transmitter
6.	P025310	N.Chakkarapani	DOS simulation in Unix
7.	P025312	K.Gowthaman	Management Information System for buffer maintenance
8.	P025333	C.Suresh	PC troubleshooting on expert systems
9.	P125018	N.Marudhaiveeran	Micro database using Turbo C
10.	P125020	M.Mohan	Interactive Unix Shell
11.	P125022	P.Murugapandian	A microprocessor based module providing storage facility in conventional CRO
12.	P125028	R.Ravi	Petroleum marketing
13.	P225011	Jessimal Thomas	Business statistical report using C
14.	P225013	V.Karthikeyan	Assembler for 8085 using Turbo C
15.	P225037	C.Velladurai	Hospital management using dbase III plus
16.	P325003	A.Bhuvaneswari	Evaluation of uncertainties during recalibration of flow meters
17.	P325005	S.Dhandapani	Banking system using Oracle-RDBMS V7.0
18.	P425000	L.Geetha	Inventory maintenance for boiler manufacturer
19.	P425017	C.Sasivarnan	MAT-Industry’s accounting system using Oracle

20.	P525006	K.Chitra	8088 microprocessor kit construction
21.	P525021	M.Thangavel	Simulating protocols using C
22.	P96250065	K.Rajeswari	Flight booking and cancellation in Oracle 7.1
23.	P96250066	A.Saravanan	Stock information system using Oracle
24.	P97250057	P.Gowri	Overtime calculation and attendance
25.	P97250069	M.Venkatesan	Solar rotation studies from leader and follower sunspots
26.	P98250012	B.Senthilkumar	Proxy server
27.	P98250013	N.Shanmuganand	Air conditioner and refrigerator sales and service maintenance
28.	P99250003	N.Balu	Share management system using Visual Basic 6.0
29.	P99250011	M.Rani	Railway reservation
30.	P00250004	R.Anusuyadevi	Fixed deposit scheme
31.	P00250016	M.Nirmala	Switchless calling bell with counter
32.	P01250014	R.Renuka	CMOS digital clock with on / off timer
33.	P01250018	S.Shobana	Digital calendar
34.	P01250023	A.Vellaisamy	Remote controlled fan regulator
35.	P02250006	M.Helenselvi	Visual intercommunication
36.	P02250014	J.Parthasarathy	DTMF controlled remote switch
37.	P02250015	S.Priya	Compression and decompression
38.	P03250002	S.Gomathi	Sales management system using Visual Basic
39.	P03250006	S.Kokilavani	GSM (Global System of Mobile communication)
40.	P03250007	R.Kumar	Automatic unmanned level crossing indicators
41.	P04250003	S.Dhurkadass	Banking management
42.	P04250018	T.Veeramani	PIC microcontroller based traffic control system
43.	P05200802	C.Balakrishnan	Structural studies of Silver by X-ray diffraction method
44.	P05200812	P.Nedunchezian	Emergency light cum power failure indicator with audio alarm
45.	P05200814	M.Prithiviraj	X-ray diffraction studies of Silicon
46.	P06200605	V.Jamsheena	Conference timer
47.	P06200609	K.Loganathan	Infrared remote control
48.	P06200615	P.Radhiga	Digital combination lock

49.	P07200403	G.Arjunan	IR car parking guard
50.	P07200418	T.Sangeetha	Mobile phone sniffer
51.	P07200420	S.Sivagnanam	LPG gas leakage detection and control
52.	P08200318	R.Vijayaraghavan	Door opening alarm with remote control
53.	P09200404	K.Gowthami	Multichannel door alarm with display
54.	P09200413	K.Parameswari	IR remote control
55.	P09200417	A.Sagayamercy	Speed checker for highways
56.	P10200677	S.Manikandan	Transmitter and receiver using IR remote control
57.	P10200679	D.Naveenkumar	IR music transmitter and receiver
58.	P10200691	P.Sinraj	Effect of gamma radiography over sensitivity for low thickness materials
59.	P11200165	N.Muralibabu	Automatic light lamp with morning alarm
60.	P11200171	P.Vijayan	Synthesis of nano particles in Tinospora Cordifolia
61.	P12200610	V.Kalaimani	Laser torch based transmitter and receiver
62.	P12200615	B.Mahalakshmi	Infrared car parking guard
63.	P12200620	S.Nithiya	8-digit code lock appliance switching
64.	P12200625	R.Shenbagam	Automatic night lamp with morning alarm
65.	P14200363	P.Selvakumar	Comparison of momentum distribution of quarks
66.	P15201304	C.Mohana	Structure function studies of up, down and strange quarks at $Q^2=5GeV^2$
67.	P15201305	M.Pachamuthu	Infrared music transmitter and receiver
68.	P16200463	M.Ubaidulla Anees	Spin dependent and spin independent structure functions of Boron
69.	P17400461	S.Kiruthikamalathy	Fan on / off control by laser
70.	P17400466	K.Pavithra	Mobile detector
71.	P17400476	S.Vasanthi	Infrared music transmitter and receiver
72.	11PPH1337 0005	G.Akilanayaki	Evaluation of Nucleon Structure Functions by QCD Inspired Thermodynamical Bag Model
73.	15PPH1337 0001	A.Jenifer	A study on Bjorken scaling variable in Thermodynamical Bag Model
74	11PPH1190 0002	A.Jayalakshmi	Neutrino-nucleon total interaction cross section

75.	15PPH1337 0001	I.Lawrance	Least square fit for structure function ratio of EMC effect
76.	11PPH1337 0004	S.Manimaran	Evaluation of light flavor asymmetry in nucleon sea
77.	16PPH1337 0001	R.Cynthiya	Determination of ratio of spin dependent to spin independent valence up quark distribution
78.	11PPH1337 0001	P.Natarajan	Gluon momentum distribution at Q^2= 0.1 TeV^2
79.	15PPH1337 0002	J.Fathima jothi	Nucleon spin structure function at Q^2= 4 GeV^2
80.	11PPH1337 0002	A.Suganthi	Nucleon structure function measurement by Nachtmann variable in a statistical model

Research Guidance (P.G. Dissertations)
Master of Computer Applications (M.C.A.)

No.	Reg.No.	Name	Title
1.	08280173	S.Sivaraman	Work for workers
2.	08280181	S.Vairakumar	Knowledge Processing Outsourcing (KPO)
3.	08280183	P.Vinothkumar	Advanced network security anti-money laundering system
4.	08280184	A.Yogeswaran	Internet mail server
5.	09283200	M.Dhanalakshmi	E-seva online
6.	09283202	V.Jawahar	Online help desk
7.	09283223	S.Udhayakumar	2 factor authentication using mobile phone
8.	10283191	S.Karnaraja	Online requirement and HR management system
9.	11280053	M.Manikandan	Single sign on
10.	11280054	J.Mohanapriya	Quality of service ranking prediction

ANNEXURE – III

Papers published in peer reviewed/UGC listed Journals				
No.	**Title**	**Author/s**	**Journal**	**Publication details**
1.	EMC effect using Thermodynamical Bag Model	K.Ganesamurthy, *R.Sambasivam	Turkish Journal of Physics	*Turk. J. Phy.***32** (2008) 175-179
2.	Polarized EMC effect in the Thermodynamical Bag Model	K.Ganesamurthy, *R.Sambasivam	Brazilian Journal of Physics	*Braz. J. Phys.***39** (2009) 283-286
3.	Polarized quark distributions in bound nucleon and polarized EMC effect in Thermodynamical Bag Model	K.Ganesamurthy, *R.Sambasivam	Nuclear Physics A	*Nucl. Phys. A***856** (2011) 112-120
4.	An experimental and theoretical study of the vibrational spectra and structure of 2,4,6-trimethyl acetophenone	S.Saravanan, *R.Sambasivam, G.Kanagan, S.Pari	Journal of Applied Science and Computations	*J. App. Sci. Comp.***6,** 4 (2019) 737-754
5.	Experimental and Theoretical Investigation of FT-IR and FT-RAMAN HOMO- UMO and Mulliken atomic charge of 2, 5- Dimethoxy acetophenone	*R.Sambasivam, S.Saravanan, G.Satheesh kumar, S.Pari	Journal of Applied Science and Computations	*J. App. Sci. Comp.***6,** 4 (2019) 755-773
6.	Photo catalytic behavior of $Bi_2Fe_4O_9$ nano powders synthesized by co-precipitation method	D.Madhankumar, *R.Sambasivam, G.Govindarajan, S.Pari	Journal of Applied Science and Computations	*J. App. Sci. Comp.***6,** 4 (2019) 1795-1811
7.	A panoramic view of India's development strategy under globalization regime	*R.Sambasivam	Review of Research Journal	*Rev. Res.* **8,** 6 (2019) 33 - 38

8.	India's international recognition through new business policies – some exposition	*R.Sambasivam	Review of Research Journal	*Rev. Res.* **8,** 6 (2019) 29 - 34
9.	Liberalization is a ban or boon to Indian peasants – some theoretical considerations	*R.Sambasivam	Review of Research Journal	*Rev. Res.* **8,** 6 (2019) 53 - 58
10.	A bird's view of the inequality of income distribution among the vulnerable sections in India – some expositions	*R.Sambasivam	Review of Research Journal	*Rev. Res.* **8,** 7 (2019) 61 – 70
11.	The other side of demonetization in India – some facts and figures	*R.Sambasivam	Review of Research Journal	*Rev. Res.* **8,** 7 (2019) 1 – 8
12.	Multi-dimensional approach of attacking poverty in India – some illustrations	*R.Sambasivam, S.Jayakumar	Review of Research Journal	*Rev. Res.* **8,** 7 (2019) 39 – 46
13.	Sustainable development under liberalization regime in India – some myths and realities	*R.Sambasivam	Review of Research Journal	*Rev. Res.* **8,** 7 (2019) 109 – 114
14.	Growth and some optical, micro hardness, electrical studies of L-Arginine Potassium Iodide (LAPI) NLO crystals	G.Kanagan, S.Pari, *R.Sambasivam, G.Satheesh kumar	Journal of Applied Science and Computations	*J. App. Sci. Comp.***6,** 4 (2019) 2799 -2810
15.	Crystal growth and spectral, mechanical, electrical characterization of L-Leucine Potassium Chloride crystals	*R.Sambasivam, G.Kanagan, S.Pari, G.Govindarajan	Journal of Applied Science and Computations	*J. App. Sci. Comp.***6,** 4 (2019) 2811 -2821

ANNEXURE – IV

Full Papers published in Proceedings				
No.	**Title**	**Author/s**	**Proceedings**	**Publication details**
1.	Thermodynamical Bag Model for structure function ratio using Nachtmann variable	K.Ganesamurthy, *R.Sambasivam	DAE Symposium on Nuclear Physics-2007	*DAE Symp. on Nucl. Phys*. **52** (2007) 296-297
2.	Thermodynamical Bag Model in the study of EMC effect as a function of different variables	K.Ganesamurthy, *R.Sambasivam	DAE Symposium on Nuclear Physics-2008	*DAE Symp. on Nucl. Phys*. **53** (2008) 597-598
3.	Evaluation of Nachtmann moments for structure function in Thermodynamical Bag Model	K.Ganesamurthy, *R.Sambasivam	DAE Symposium on Nuclear Physics-2009	*DAE Symp. on Nucl. Phys*. **54** (2009) 498-499
4.	Statistical model approach for EMC effect atlow Q^2	K.Ganesamurthy, *R.Sambasivam	DAE Symposium on Nuclear Physics-2010	*DAE Symp. on Nucl. Phys*. **55** (2010) 566-567
5.	Polarized EMC effect in quark distribution	K.Ganesamurthy, *R.Sambasivam	National Symposium on Nuclear Physics-2009	*Nat. Symp. on Nucl. Phys*. (2009) 41-42

ANNEXURE – V

Paper presentation (Oral / Poster)				
No.	**Title**	**Author/s**	**Conference/Seminar**	**Place**
1.	Polarized EMC effect in quark distribution	K.Ganesamurthy, *R.Sambasivam	National Symposium on Nuclear Physics (NSNP-2009)	Payyanur College, Kerala, **INDIA** (13-01-2009 to 15-01-2009)
2.	Polarized EMC effect in Thermodynamical Bag Model	K.Ganesamurthy, *R.Sambasivam	International Conference on Flavor Physics in the LHC Era	Nanyang Technological University (NTU), **SINGAPORE** (08-11-2010 to 12-11-2010)
3.	Nuclear EMC effect in Nachtmann variable by a statistical model	K.Ganesamurthy, *R.Sambasivam	International Conference on Physics Education and Frontier Physics	Nanyang Technological University (NTU), **SINGAPORE** (23-06-2014 to 27-06-2014)
4.	The study of dynamics of splay field for the conservative nematic system- a quantum mechanical approach	K.Gnanasekaran, S.Manimegalai, *R.Sambasivam	Conference on 90 years of Quantum Mechanics	Nanyang Technological University (NTU), **SINGAPORE** (23-01-2017 to 26-01-2017)